

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|-----------------------------------------------------|--------------------|------------------|---------|------------------|
| S1 | 4 | ("5347586" "5558298" "5940519" "6138947").PN. | US-PGPUB; USPAT | OR | OFF | 2005/09/15 16:50 |
| S2 | 2 | ("6772074" "6856920").pn. | US-PGPUB; USPAT | OR | OFF | 2006/04/11 14:42 |
| S3 | 4 | 10/084,774 or 10/084,254 or 10/085,037 | US-PGPUB; USPAT | OR | OFF | 2005/09/15 16:39 |
| S4 | 4 | 10/083,774 or 10/084,254 or 10/085,037 | US-PGPUB; USPAT | OR | OFF | 2005/09/15 16:39 |
| S5 | 587822 | noise or vibration | US-PGPUB; USPAT | OR | OFF | 2005/09/15 16:50 |
| S6 | 453138 | S5 and (control\$4 or cancel\$) | US-PGPUB; USPAT | OR | OFF | 2005/09/15 16:51 |
| S7 | 29836 | S6 and harmonic | US-PGPUB; USPAT | OR | ON | 2005/09/15 16:53 |
| S8 | 14369 | S7 and (sample or sampling or sampler) | US-PGPUB; USPAT | OR | ON | 2005/09/15 16:54 |
| S9 | 7025 | S8 and (sensor transducer) | US-PGPUB; USPAT | OR | ON | 2005/09/15 16:55 |
| S10 | 98450 | S9 and (fourier with transform) or (ft fft) | US-PGPUB; USPAT | OR | ON | 2005/09/15 16:57 |
| S11 | 2466 | S9 and ((fourier with transform) or (ft fft)) | US-PGPUB; USPAT | OR | ON | 2005/09/16 13:49 |
| S12 | 688 | S11 and (aliasing alias antialiasing anti-aliasing) | US-PGPUB; USPAT | OR | ON | 2005/09/15 16:59 |
| S13 | 27717 | down with (sampl\$) | US-PGPUB; USPAT | OR | OFF | 2005/09/15 17:00 |
| S14 | 221 | S12 and S13 | US-PGPUB; USPAT | OR | OFF | 2005/09/20 15:37 |
| S15 | 587822 | noise or vibration | US-PGPUB; USPAT | OR | OFF | 2005/09/16 13:49 |
| S16 | 453138 | S15 and (control\$4 or cancel\$) | US-PGPUB; USPAT | OR | OFF | 2005/09/16 13:49 |
| S17 | 29836 | S16 and harmonic | US-PGPUB; USPAT | OR | ON | 2005/09/16 13:49 |
| S18 | 14369 | S17 and (sample or sampling or sampler) | US-PGPUB; USPAT | OR | ON | 2005/09/16 13:49 |
| S19 | 7025 | S18 and (sensor transducer) | US-PGPUB; USPAT | OR | ON | 2005/09/16 13:49 |
| S20 | 2466 | S19 and ((fourier with transform) or (ft fft)) | US-PGPUB; USPAT | OR | ON | 2005/09/16 13:49 |
| S21 | 27717 | down with (sampl\$) | US-PGPUB; USPAT | OR | OFF | 2005/09/16 13:49 |

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|-----|--------|-----------------------------------------------------------------|--------------------|----|-----|------------------|
| S22 | 352 | S20 and S21 | US-PGPUB; USPAT | OR | ON | 2005/09/16 13:50 |
| S23 | 688 | S20 and (aliasing alias antialiasing anti-aliasing) | US-PGPUB; USPAT | OR | ON | 2005/09/16 13:50 |
| S24 | 221 | S23 and S21 | US-PGPUB; USPAT | OR | OFF | 2005/09/16 13:50 |
| S25 | 131 | S22 not S24 | US-PGPUB; USPAT | OR | ON | 2005/09/16 13:51 |
| S26 | 425 | 702/56.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/09/16 15:40 |
| S27 | 135 | 381/94.2.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/09/16 15:41 |
| S28 | 156 | 381/94.3.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/09/16 15:41 |
| S29 | 698 | S26 S27 S28 | US-PGPUB; USPAT | OR | OFF | 2005/09/16 15:41 |
| S30 | 31 | S29 and (down with sampl\$) | US-PGPUB; USPAT | OR | OFF | 2005/09/16 15:51 |
| S31 | 246 | S29 and amplitude and phase | US-PGPUB; USPAT | OR | OFF | 2005/09/16 17:11 |
| S32 | 93 | S31 and harmonic | US-PGPUB; USPAT | OR | ON | 2005/09/16 15:51 |
| S33 | 323 | S29 and ((amplitude and phase) or harmonic) | US-PGPUB; USPAT | OR | ON | 2005/09/16 17:13 |
| S34 | 207 | S33 and sampl\$ | US-PGPUB; USPAT | OR | ON | 2005/09/16 17:14 |
| S35 | 5609 | (vibration or noise) with cancellation | US-PGPUB; USPAT | OR | OFF | 2005/09/19 16:59 |
| S36 | 1102 | S35 and (downsampl\$ or (sampl\$ with rate)) | US-PGPUB; USPAT | OR | OFF | 2005/09/19 12:40 |
| S37 | 933 | S36 and (harmonic magnitude phase) | US-PGPUB; USPAT | OR | ON | 2005/09/19 12:42 |
| S38 | 12 | S37 and (harmonic with coefficient) | US-PGPUB; USPAT | OR | ON | 2005/09/19 14:00 |
| S39 | 309 | S36 and harmonic | US-PGPUB; USPAT | OR | ON | 2005/09/19 14:00 |
| S40 | 587822 | noise or vibration | US-PGPUB; USPAT | OR | OFF | 2005/09/19 16:58 |
| S41 | 4366 | S40 near (cancel or cancellation) | US-PGPUB; USPAT | OR | OFF | 2005/09/19 16:59 |
| S42 | 662 | S35 and actuator | US-PGPUB; USPAT | OR | OFF | 2005/09/19 17:00 |
| S43 | 92 | S42 and (alias or aliasing or antialiasing or anti-aliasing) | US-PGPUB; USPAT | OR | OFF | 2005/09/19 17:01 |

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|-----|--------|----------------------------------------------------------------|----------------------------|----|-----|------------------|
| S44 | 79 | S43 and sampl\$ | US-PGPUB; USPAT | OR | OFF | 2005/09/19 17:02 |
| S45 | 76 | S44 and (harmonic or amplitude or phase) | US-PGPUB; USPAT | OR | OFF | 2005/09/19 17:32 |
| S46 | 4305 | S35 and (harmonic or amplitude or phase) | US-PGPUB; USPAT | OR | OFF | 2005/09/19 17:32 |
| S47 | 587822 | noise or vibration | US-PGPUB; USPAT | OR | OFF | 2005/09/19 17:33 |
| S48 | 106527 | S47 and (harmonic or (phase and amplitude)) | US-PGPUB; USPAT | OR | ON | 2005/09/19 17:33 |
| S49 | 53544 | S48 and sampl\$ | US-PGPUB; USPAT | OR | ON | 2005/09/19 17:34 |
| S50 | 6839 | S49 and (alias or aliasing or antialiasing or anti-aliasing) | US-PGPUB; USPAT | OR | ON | 2005/09/19 17:36 |
| S51 | 4261 | S50 and ((sampl\$ with rate) or (downsample down with sample)) | US-PGPUB; USPAT | OR | ON | 2005/09/19 17:38 |
| S52 | 3424 | S51 and (bpf or bandpass or band) | US-PGPUB; USPAT | OR | ON | 2005/09/19 17:39 |
| S53 | 1702 | S52 and (sensor microphone transducer) | US-PGPUB; USPAT | OR | ON | 2005/09/19 17:40 |
| S54 | 1240 | S53 and bandwidth | US-PGPUB; USPAT | OR | ON | 2005/09/19 17:43 |
| S55 | 1135 | S54 not watermark | US-PGPUB; USPAT | OR | ON | 2005/09/19 17:57 |
| S56 | 18 | S55 and downsample | US-PGPUB; USPAT | OR | ON | 2005/09/19 18:04 |
| S57 | 70 | S55 and downsampl\$ | US-PGPUB; USPAT | OR | ON | 2005/09/19 18:16 |
| S58 | 35 | S55 and undersampl\$ | US-PGPUB; USPAT | OR | ON | 2005/09/19 18:16 |
| S60 | 719 | undersampling | US-PGPUB; USPAT | OR | OFF | 2005/09/20 15:27 |
| S61 | 14 | S60 and downsampl\$ | US-PGPUB; USPAT | OR | OFF | 2005/09/20 15:27 |
| S62 | 877465 | sampl\$ | US-PGPUB; USPAT | OR | OFF | 2005/09/20 15:38 |
| S63 | 2592 | S62 and (upper with bound) and (lower with bound) | US-PGPUB; USPAT | OR | OFF | 2005/09/20 15:39 |
| S64 | 131 | S63 and bandpass | US-PGPUB; USPAT | OR | OFF | 2005/09/20 16:05 |
| S65 | 1 | "0814279" | US-PGPUB; USPAT; EPO | OR | OFF | 2005/09/20 16:06 |

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|-----|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----|-----|------------------|
| S66 | 10 | "814279" | US-PGPUB; USPAT; EPO | OR | OFF | 2005/09/20 16:06 |
| S67 | 1 | "6216059".pn. | US-PGPUB; USPAT | OR | OFF | 2006/04/03 13:44 |
| S68 | 408 | 310/326.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/04/03 13:57 |
| S69 | 73 | 700/54.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/04/03 13:57 |
| S70 | 150 | 700/280.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/04/03 14:00 |
| S71 | 628 | S68 S69 S70 | US-PGPUB; USPAT | OR | OFF | 2006/04/03 15:37 |
| S72 | 69 | S71 and sampling | US-PGPUB; USPAT | OR | OFF | 2006/04/04 10:21 |
| S76 | 56 | S72 and ((@ad @rlad)<="20010227") | US-PGPUB; USPAT | OR | OFF | 2006/04/04 10:22 |
| S77 | 1 | 10/083773 | US-PGPUB; USPAT | OR | OFF | 2006/04/03 16:50 |
| S78 | 0 | S76 and undersampl\$3 | US-PGPUB; USPAT | OR | OFF | 2006/04/03 16:51 |
| S79 | 0 | S76 and under near sampl\$3 | US-PGPUB; USPAT | OR | OFF | 2006/04/03 16:51 |
| S80 | 0 | S71 and undersampl\$3 | US-PGPUB; USPAT | OR | OFF | 2006/04/03 16:51 |
| S81 | 7 | S71 and under with sampl\$3 | US-PGPUB; USPAT | OR | OFF | 2006/04/03 16:51 |
| S82 | 408 | 310/326.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/04/04 10:21 |
| S83 | 73 | 700/54.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/04/04 10:21 |
| S84 | 151 | 700/280.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/04/04 10:21 |
| S85 | 629 | S82 S83 S84 | US-PGPUB; USPAT | OR | OFF | 2006/04/04 10:21 |
| S86 | 124 | S85 and sampl\$3 | US-PGPUB; USPAT | OR | OFF | 2006/04/04 10:21 |
| S87 | 103 | S86 and ((@ad @rlad)<="20010227") | US-PGPUB; USPAT | OR | OFF | 2006/04/04 15:12 |
| S88 | 12 | ("20020118844" "5347586" "5526292" "5558298" "5724239" "5748847" "5834918" "5940519" "6138947" "6487524" "6772074" "6856920").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/04 11:15 |

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|------|------|---------------------------------------------------------------------------------|------------------------------|----|-----|------------------|
| S89 | 203 | (sampling near (frequency rate)) with (below (less near than)) with nyquist | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/04 12:16 |
| S90 | 147 | S89 and (noise vibration) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/04 11:57 |
| S91 | 133 | S90 and control\$3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/04 11:21 |
| S92 | 71 | S91 and (compensat\$3 dampen\$3 cancel\$6) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/04 11:21 |
| S93 | 52 | S92 and ((@ad @rlad)<="20010227") | US-PGPUB; USPAT | OR | OFF | 2006/04/04 11:22 |
| S94 | 9 | S89 and vibration | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/04 11:58 |
| S95 | 349 | (sampl\$3) with (below (less near than)) with nyquist | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/04 12:17 |
| S96 | 340 | S95 not S94 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/04 12:17 |
| S97 | 249 | S96 and (vibration noise) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/04/04 12:56 |
| S98 | 17 | S85 and (frequency near interest) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/04/04 15:11 |
| S99 | 1 | S98 and (sampling near frequency) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/04/04 12:57 |
| S100 | 1128 | undersampl\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2006/04/04 15:11 |
| S101 | 97 | S100 and vibration | US-PGPUB; USPAT; USOCR | OR | ON | 2006/04/04 15:11 |
| S102 | 75 | S101 and ((@ad @rlad)<="20010227") | US-PGPUB; USPAT | OR | OFF | 2006/04/04 15:23 |
| S103 | 399 | ((band near pass) bandpass) near sampl\$3 | US-PGPUB; USPAT | OR | OFF | 2006/04/04 15:24 |
| S104 | 103 | S103 and ((vibration noise) with (cancel\$6 suppress\$4 attenuat\$3 dampen\$3)) | US-PGPUB; USPAT | OR | OFF | 2006/04/04 15:47 |
| S105 | 523 | (sampling near rate) with (computation\$3 efficiency) | US-PGPUB; USPAT | OR | OFF | 2006/04/04 15:47 |

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|----------|------|--------------------------------------------------------------------|----------------------------|----|-----|------------------|
| S10 6 | 15 | (sampling near rate) with (computation\$3 with efficiency) | US-PGPUB; USPAT | OR | OFF | 2006/04/04 16:07 |
| S10 7 | 1 | 10/083774 | US-PGPUB; USPAT | OR | OFF | 2006/04/04 16:08 |
| S10 8 | 2 | 10/084254 | US-PGPUB; USPAT | OR | OFF | 2006/04/04 16:08 |
| S10 9 | 0 | ("0560364").PN. | EPO | OR | OFF | 2006/04/11 08:33 |
| S11 0 | 1 | ("0560364").PN. | US-PGPUB; USPAT; EPO | OR | OFF | 2006/04/04 16:15 |
| S11 1 | 0 | ("kobayashineartoshiaki").PN. | EPO | OR | OFF | 2006/04/04 16:16 |
| S11 2 | 1 | "0560364" | US-PGPUB; USPAT | OR | OFF | 2006/04/04 16:17 |
| S11 3 | 0 | "0560364" | EPO | OR | OFF | 2006/04/04 16:17 |
| S11 4 | 50 | kobayashi near toshiaki | EPO | OR | OFF | 2006/04/04 16:18 |
| S11 5 | 2 | ("5652799" "5409078").pn. | US-PGPUB; USPAT | OR | OFF | 2006/04/11 08:34 |
| S11 6 | 1709 | 341/143.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/04/11 14:42 |
| S11 7 | 422 | 341/122.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/04/11 14:42 |
| S11 8 | 2103 | S116 S117 | US-PGPUB; USPAT | OR | OFF | 2006/04/11 14:43 |
| S11 9 | 199 | S118 and ((decimat\$3 decreas\$3) adj2 (rate sample frequency)) | US-PGPUB; USPAT | OR | ON | 2006/04/11 15:15 |
| S12 0 | 2 | S119 and undersampl\$3 | US-PGPUB; USPAT | OR | ON | 2006/04/11 15:04 |
| S12 1 | 8 | S119 and (under near sampl\$3) | US-PGPUB; USPAT | OR | ON | 2006/04/11 15:04 |
| S12 2 | 11 | S118 and (less adj5 Nyquist) | US-PGPUB; USPAT | OR | ON | 2006/04/11 15:15 |